

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

*Do not enter
cl 3-10-05*

Claim 1. (currently amended) An add-drop apparatus for a unidirectional optical ring network for launching and outputting optical signals, comprising:

- ~~a grating filter, coupled to said optical ring network, wherein said grating signal operates~~
- ~~a bandstop filter on optical signals output from said grating signal;~~
- a first branching coupler having one an input, to which incoming signals are fed from the optical ring network, said first coupler having and two outputs which are a first output and a second output; and
- a bandstop filter apparatus, having a first input connected to said first output of said branching coupler, and wherein said bandstop filter apparatus is tuned to a wavelength of a signal to be launched, so that an incoming optical signal having this wavelength is reflected, and incoming signals having all other wavelengths are passed at an output;
- a second coupler, coupled to the output of the bandstop filter apparatus, said second optical coupler further having an add input into which said outgoing signal to be launched is fed against its transmission direction, reflected, and added to said passed signals; and a second optical coupler that is connected to said first output, said second optical coupler being designed as a grating filter with bandstop properties, the grating filter being tuned to a wavelength of a signal to be launched, such that said signal is reflected as a reflected signal, and incoming signals having all other wavelengths are passed at, and output at, an output, said second optical coupler having an add input into which said signal to be launched is fed against its transmission direction, reflected, and added to said passed signals;
- said second output of said first coupler being connected to a further optical filter, connected to said second output of said branching coupler, via which an incoming optical signal is output.